

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Title	Search Query	DBs	Default Operator	Fields	Time Stamp
14	28013	324/207 21,252.ccd. 3387328.ccd. 360533,334,315,316,317,318,318 1,318,320,321,322,323,324,324 1,324 11,324 12,324 2,325,325,327,327 1,327 11,327 2,327 21,327 22,327 23,327 24,327 3,327 31,327 32,327 33.ccd. 6383,10,14,17,48.ccd. 28/9/2,5/2 1,595,6/2 1,603,01.ccd.	US-PGRUB; USPAT; USOCR-FPKS; EPO-IPQ; DERWENT; JHM-ITB	OR	ON	2010/01/16 19:05
15	3	3.4 and (bridge wheatstone) with near65	US-PGRUB; USPAT; USOCR-FPKS; EPO-IPQ; DERWENT; JHM-ITB	OR	ON	2010/01/16 19:05
17	2	5602711 .pm.	US-PGRUB; USPAT; USOCR-FPKS; EPO-IPQ; DERWENT; JHM-ITB	OR	ON	2010/01/16 19:06
18	23	3.4 and (bridge wheatstone) near3 within	US-PGRUB; USPAT; USOCR-FPKS; EPO-IPQ; DERWENT; JHM-ITB	OR	ON	2010/01/16 19:11
3196	28014	324/207 21,252.ccd. 3387328.ccd. 360533,334,315,316,317,318,318 1,318,320,321,322,323,324,324 1,324 11,324 12,324 2,325,325,327,327 1,327 11,327 2,327 21,327 22,327 23,327 24,327 3,327 31,327 32,327 33.ccd. 6383,10,14,17,48.ccd. 28/9/2,5/2 1,595,6/2 1,603,01.ccd.	US-PGRUB; USPAT; USOCR-FPKS; EPO-IPQ; DERWENT; JHM-ITB	OR	ON	2009/12/30 18:09
3197	59449	S196 end/(absolute semiconductor water)	US-PGRUB; USPAT; USOCR-FPKS; EPO-IPQ; DERWENT; JHM-ITB	OR	ON	2009/12/30 18:09
3198	4085	S197 end/(pinout fixed) near3 (layer level)	US-PGRUB; USPAT; USOCR-FPKS; EPO-IPQ; DERWENT; JHM-ITB	OR	ON	2009/12/30 18:09
3199	166	S198 end/(bridge wheatstone) same (magneto)near3(4)	US-PGRUB; USPAT; USOCR-FPKS; EPO-IPQ; DERWENT; JHM-ITB	OR	ON	2009/12/30 18:09
3200	314	S198 and (bridge wheatstone)	US-PGRUB; USPAT; USOCR-FPKS; EPO-IPQ; DERWENT; JHM-ITB	OR	ON	2009/12/30 18:09
3201	348	S200 not S199	US-PGRUB; USPAT; USOCR-FPKS; EPO-IPQ; DERWENT; JHM-ITB	OR	ON	2009/12/30 18:09
3202	384	S198 and ("8" eight phrals33 multipl33 additional) near3 (magneto)near3(4) near3 (near two car) ("2" two phrals33 multipl33 additional) near3 (bridge wheatstone) dual3 (bridge dual adj (bridge dual3 wheatstone dual adj wheatstone)	US-PGRUB; USPAT; USOCR-FPKS; EPO-IPQ; DERWENT; JHM-ITB	OR	ON	2009/12/30 18:09

S203	815	S202 not S201	US-PGRUB; USPAT; USOCR,FPKS; EPO,IPG; DERWENT; IBM,TD8	GR	CN	2008/1230 18.09
S204	765	S203 not S199	US-PGRUB; USPAT; USOCR,FPKS; EPO,IPG; DERWENT; IBM,TD8	GR	CN	2008/1230 18.09
S205	120	S198 and (bridge wheatstone) same (gear tur cme)	US-PGRUB; USPAT; USOCR,FPKS; EPO,IPG; DERWENT; IBM,TD8	GR	CN	2008/1230 18.09
S206	28	S205 not S199	US-PGRUB; USPAT; USOCR,FPKS; EPO,IPG; DERWENT; IBM,TD8	GR	CN	2008/1230 18.09
S207	2871	Squad valve spin adj valve) and (gear tur cme magnet6 (res454)	US-PGRUB; USPAT; USOCR,FPKS; EPO,IPG; DERWENT; IBM,TD8	GR	CN	2008/1230 18.09
S208	8578	S207 and (pinned fixed) next3 (layer level)	US-PGRUB; USPAT; USOCR,FPKS; EPO,IPG; DERWENT; IBM,TD8	GR	CN	2008/1230 18.09
S209	940	S208 and (bridge wheatstone)	US-PGRUB; USPAT; USOCR,FPKS; EPO,IPG; DERWENT; IBM,TD8	GR	CN	2008/1230 18.09
S210	916	S208 and ("2" two phn455 multi453 additional) next3 (bridge wheatstone) dual5 (bridge dual adj bridge dual5 wheatstone dual adj wheatstone)	US-PGRUB; USPAT; USOCR,FPKS; EPO,IPG; DERWENT; IBM,TD8	GR	CN	2008/1230 18.09
S211	9140	S204207 21.252.cds; 33853R.cds	US-PGRUB; USPAT; USOCR,FPKS; EPO,IPG; DERWENT; IBM,TD8	GR	CN	2008/1230 18.09
S212	422	S211 and (squad valve spin adj valve)	US-PGRUB; USPAT; USOCR,FPKS; EPO,IPG; DERWENT; IBM,TD8	GR	CN	2008/1230 18.09
S213	7	4°2003070497° 1°2060103181° 1°6175296° 1°6313627° 1°6366079° 1°6501678° 1°6468834° JPN	US-PGRUB; USPAT,USOCR	GR	CN	2008/1230 18.09
S214	32	4°4904078° JLRPN	USPAT	GR	CN	2008/1230 18.09
S215	8	4°5477482° 1°5861368° 1°5617071° 1°5945825° 1°6100686° 1°6075296° 1°6178111° 1°6358018° JPN	US-PGRUB; USPAT,USOCR	GR	CN	2008/1230 18.09
S216	2948	S197 and direction next3 magnet655	US-PGRUB; USPAT; USOCR,FPKS; EPO,IPG; DERWENT; IBM,TD8	GR	CN	2008/1230 18.09

5217	446	5216 and (bridge wheelstems)		US-PGPCB; USPAT; USOCR,PPRS; EPO, JPO; DERWENT; JBM, TDB	OR	ON	2009/1230 18.09
5218	515	5217 not 5200		US-PGPCB; USPAT; USOCR,PPRS; EPO, JPO; DERWENT; JBM, TDB	OR	ON	2009/1230 18.09
5219	5755	5137 and (pinned fixed hard) next3 (layer level direction) direction next3 magnetic55		US-PGPCB; USPAT; USOCR,PPRS; EPO, JPO; DERWENT; JBM, TDB	OR	ON	2009/1230 18.09
5220	5969	5219 and (quad5 valve optn adj valve)		US-PGPCB; USPAT; USOCR,PPRS; EPO, JPO; DERWENT; JBM, TDB	OR	ON	2009/1230 18.09
5221	58014	524/207 21.252.cds. 33832R.cds. 360313,314,315,316,317,318,318.1,319,320,321,322,323,324,324.1,324.11,324.12,324.2,325,326,327,327.1,327.11,327.2,327.21,327.22,327.23,327.24,327.3,327.31,327.32,327.33.cds. 488316 (4,17,48.cds. 209562,592,1,595,602,1,603,01.cds.		US-PGPCB; USPAT; USOCR,PPRS; EPO, JPO; DERWENT; JBM, TDB	OR	ON	2009/1230 18.09
5222	31449	5221 and (substrate semiconductor wafer)		US-PGPCB; USPAT; USOCR,PPRS; EPO, JPO; DERWENT; JBM, TDB	OR	ON	2009/1230 18.09
5223	5755	5222 and (pinned fixed hard) next3 (layer level direction) direction next3 magnetic55		US-PGPCB; USPAT; USOCR,PPRS; EPO, JPO; DERWENT; JBM, TDB	OR	ON	2009/1230 18.09
5224	5969	5223 and (quad5 valve optn adj valve)		US-PGPCB; USPAT; USOCR,PPRS; EPO, JPO; DERWENT; JBM, TDB	OR	ON	2009/1230 18.09
5225	888	5224 and (bridge wheelstems) ("2" two second additional pher33 multi35) next5 (gmr tme magnetic54 magnetic next3 resist54 scms3 detect3 probe transducer) same (pinned fixed hard) next3 (layer level direction) direction next3 magnetic55 with cwm33 perpendicular52 orthogonal52 normal52)		US-PGPCB; USPAT; USOCR,PPRS; EPO, JPO; DERWENT; JBM, TDB	OR	ON	2009/1230 18.09
5226	5	"20020006017" / "5315302" / "5561368" / "5948825" / "6465053"/,PN.		US-PGPCB; USPAT, USOCR	OR	ON	2009/1230 18.09
5227	3126	5223 and (bridge wheelstems) ("2" two second additional pher33 multi35) next5 (gmr tme magnetic54 magnetic next3 resist54 scms3 detect3 probe transducer) same (pinned fixed hard) next3 (layer level direction) direction next3 magnetic55 with cwm33 perpendicular52 orthogonal52 normal52)		US-PGPCB; USPAT; USOCR,PPRS; EPO, JPO; DERWENT; JBM, TDB	OR	ON	2009/1230 18.09
5228	440	5227 not 5225		US-PGPCB; USPAT; USOCR,PPRS; EPO, JPO; DERWENT; JBM, TDB	OR	ON	2009/1230 18.09
5229	52583	5 (pinned fixed hard) next3 (layer level direction) direction next3 magnetic55 and (magnetic5 resist54 magnetic next3 resist54 gmr tme)		US-PGPCB; USPAT; USOCR,PPRS; EPO, JPO; DERWENT; JBM, TDB	OR	ON	2009/1230 18.09

S209	14730	S229 nsd (arbitrary semiconductor wafer)	US-POPUB, USPAT, USOCR,FPKS, EPO,IPO, DERWENT, JBM_TDB	OR	ON	2009/12/30 18:09
S231	14737	S230 nsd ("I" two second additional planeS3 multiS3) acs5 (gus ttw magnets1residS4 magnetic near3 residS4 sens5 detectS3 probe transducer) same (pinns fixed hard) near3 (layer level direction) direction near3 magneticS5 with (cmS3 perpendicular2 orthogonalS2 normalS2)	US-POPUB, USPAT, USOCR,FPKS, EPO,IPO, DERWENT, JBM_TDB	OR	ON	2009/12/30 18:09
S232	14741	S231 not S228 not S225	US-POPUB, USPAT, USOCR,FPKS, EPO,IPO, DERWENT, JBM_TDB	OR	ON	2009/12/30 18:09
S233	14742	S230 nsd (bridge wheatstone)	US-POPUB, USPAT, USOCR,FPKS, EPO,IPO, DERWENT, JBM_TDB	OR	ON	2009/12/30 18:09
S234	14741	S233 not S232 not S228 not S225	US-POPUB, USPAT, USOCR,FPKS, EPO,IPO, DERWENT, JBM_TDB	OR	ON	2009/12/30 18:09
S235	140564	Splined fixed hard) near3 layer	US-POPUB, USPAT, USOCR,FPKS, EPO,IPO, DERWENT, JBM_TDB	OR	ON	2009/12/30 18:09
S236	14497	S235 nsd (gus ttw magnets1residS4 magnetic near3 residS4)	US-POPUB, USPAT, USOCR,FPKS, EPO,IPO, DERWENT, JBM_TDB	OR	ON	2009/12/30 18:09
S237	10676	S236 nsd (bridge wheatstone (planeS4 multiS4 several two "2" second additional)) same (gus ttw magnets1residS4 magnetic near3 residS4)	US-POPUB, USPAT, USOCR,FPKS, EPO,IPO, DERWENT, JBM_TDB	OR	ON	2009/12/30 18:09
S238	100	S237 nsd ("x-axis" x near3 axis) and ("y-axis" y near3 axis)	US-POPUB, USPAT, USOCR,FPKS, EPO,IPO, DERWENT, JBM_TDB	OR	ON	2009/12/30 18:09
S239	1033	S237 nsd (multiS3 axis (planeS4 multiS4 several additional two) near3 axis)	US-POPUB, USPAT, USOCR,FPKS, EPO,IPO, DERWENT, JBM_TDB	OR	ON	2009/12/30 18:09
S240	1410	S239 not S238	US-POPUB, USPAT, USOCR,FPKS, EPO,IPO, DERWENT, JBM_TDB	OR	ON	2009/12/30 18:09
S241	1041	865158.csh.	US-POPUB, USPAT, USOCR,FPKS, EPO,IPO, DERWENT, JBM_TDB	OR	ON	2009/12/30 18:09

\\Bos\O\Documents\BOS\and\BOS\Settings\Inclusion\BOS\Documents\BOS\BOS\Folder\70021913\EASTSearchStory.10022913\_AccessibleVersion.htm (5 of 8)3/16/2010 4:38:55 PM

S24	807	S603(4,324.cch.		US PGPUB, USPAT, USOCR,PPRS, EPO,JPO, DERWENT, JBM_TDB	GR	ON	2009/12/30 18.09
S25	8172	YSATO:net3 HIDEKI.in		US PGPUB, USPAT, USOCR,PPRS, EPO,JPO, DERWENT, JBM_TDB	GR	ON	2009/12/30 18.09
S26	82	YORASHI:net3 TOSHITSUKU.in		US PGPUB, USPAT, USOCR,PPRS, EPO,JPO, DERWENT, JBM_TDB	GR	ON	2009/12/30 18.09
S27	88	YWARUKI:net3 YUICHI.in		US PGPUB, USPAT, USOCR,PPRS, EPO,JPO, DERWENT, JBM_TDB	GR	ON	2009/12/30 18.09
S28	870	YOSHIDA:net3 SUSUMU.in		US PGPUB, USPAT, USOCR,PPRS, EPO,JPO, DERWENT, JBM_TDB	GR	ON	2009/12/30 18.09
S29	842	YANO:net3 KOIKI:CH.in		US PGPUB, USPAT, USOCR,PPRS, EPO,JPO, DERWENT, JBM_TDB	GR	ON	2009/12/30 18.09
S30	84	S255 S250 and (gmr:tmr:magnet6:1resid64:magnetic:net3:resid64) same (spin5:valve:spin:adj:valve (pinned:fixed:hard):net3 (layer:axis))		US PGPUB, USPAT, USOCR,PPRS, EPO,JPO, DERWENT, JBM_TDB	GR	ON	2009/12/30 18.09
S31	85	S255 S250 and (gmr:tmr:magnet6:1resid64:magnetic:net3:resid64) and (spin5:valve:spin:adj:valve (pinned:fixed:hard):net3 (layer:axis))		US PGPUB, USPAT, USOCR,PPRS, EPO,JPO, DERWENT, JBM_TDB	GR	ON	2009/12/30 18.09
S32	864	S250 and ((right "8" digits):net3 (magnetic:net3:resid64 gmr:tmr:spin5:valve:spin:adj:valve:magnet6:1resid64 (bridge:whorl:axis)) same (gmr:tmr:spin5:valve:spin:adj:valve:magnet6:1resid64:magnetic:net3:resid64))		US PGPUB, USPAT, USOCR,PPRS, EPO,JPO, DERWENT, JBM_TDB	GR	ON	2009/12/30 18.09
S33	811	S262 not S251		US PGPUB, USPAT, USOCR,PPRS, EPO,JPO, DERWENT, JBM_TDB	GR	ON	2009/12/30 18.09
S34	888	S246 and ((right "8" digits):net3 (magnetic:net3:resid64 gmr:tmr:spin5:valve:spin:adj:valve:magnet6:1resid64 (bridge:whorl:axis)) same (gmr:tmr:spin5:valve:spin:adj:valve:magnet6:1resid64:magnetic:net3:resid64))		US PGPUB, USPAT, USOCR,PPRS, EPO,JPO, DERWENT, JBM_TDB	GR	ON	2009/12/30 18.09
S35	854	S264 not S263 not S251		US PGPUB, USPAT, USOCR,PPRS, EPO,JPO, DERWENT, JBM_TDB	GR	ON	2009/12/30 18.09

5266	273	5245 not 5252	US PGRUB, USPAT, USOCR,FPKS, EPO,IPG, DERWENT, JHM,TD8	OR	ON	2009/12/30 18:09
5267	247	524247 cds.	US PGRUB, USPAT, USOCR,FPKS, EPO,IPG, DERWENT, JHM,TD8	OR	ON	2009/12/30 18:09
5268	41	524247.252.cds. and (pinned hard fixed) near3 (layer axis) and (gun tur magnets)leasid54 magnetic near3 resia54)) cds.	US PGRUB	OR	ON	2009/12/30 18:09
5269	5	"2002006007" "5315262" "5561388" "5945825" "6663657".PN	US PGRUB, USPAT,USOCR	OR	ON	2009/12/30 18:09
5270	801370	"124" cds "138" cds "380" cds "438" cds "59" cds "805" cds.	US PGRUB, USPAT, USOCR,FPKS, EPO,IPG, DERWENT, JHM,TD8	OR	ON	2009/12/30 18:09
5271	5136	5270 and tunnel3 near3 magnets)leasid54	US PGRUB, USPAT, USOCR,FPKS, EPO,IPG, DERWENT, JHM,TD8	OR	ON	2009/12/30 18:09
5272	560	5270 and tunnel3 near3 magnets)leasid54 with ("4" four fourth eight eighth bridge wheatstone phen54 multip54)	US PGRUB, USPAT, USOCR,FPKS, EPO,IPG, DERWENT, JHM,TD8	OR	ON	2009/12/30 18:09
5273	3700	tunnel3 near3 magnets)leasid54 with ("4" four fourth eight eighth bridge wheatstone phen54 multip54)	US PGRUB, USPAT, USOCR,FPKS, EPO,IPG, DERWENT, JHM,TD8	OR	ON	2009/12/30 18:09
5274	370	5273 not 5272	US PGRUB, USPAT, USOCR,FPKS, EPO,IPG, DERWENT, JHM,TD8	OR	ON	2009/12/30 18:09
5275	3908	tunnel3 near3 (magnetic near3 resia54 magnets)leasid54 with ("4" four fourth eight eighth bridge wheatstone phen54 multip54 several additional)	US PGRUB, USPAT, USOCR,FPKS, EPO,IPG, DERWENT, JHM,TD8	OR	ON	2009/12/30 18:09
5276	378	5275 not 5274 not 5273	US PGRUB, USPAT, USOCR,FPKS, EPO,IPG, DERWENT, JHM,TD8	OR	ON	2009/12/30 18:09
5277	84	524247.252.cds. and ((gate3 valve spin adj valve (pinned hard fixed) near3 (layer axis) and (gun magnets)leasid54 magnetic near3 resia54)) (tunnel3 near3 (magnets)leasid54 magnetic near3 resia54 tur)) cds.	US PGRUB	OR	ON	2009/12/30 18:09
5278	2552	(bridge wheatstones) and (gate3 valve spin adj valve (pinned hard fixed bias3) near3 (film layer) and (soft free any) near3 (layer film))	US PGRUB, USPAT, USOCR,FPKS, EPO,IPG, DERWENT, JHM,TD8	OR	ON	2009/12/30 18:20
5279	3206	5278 and (bridge wheatstones) near3 ("2" two phen54 multip54 second additional several) bridges wheatstones)	US PGRUB, USPAT, USOCR,FPKS, EPO,IPG, DERWENT, JHM,TD8	OR	ON	2009/12/30 18:21

S280	478	S279 and (magnet6)resid64 magnetic near3 resid64 gas tur com)		US-POPUB; USPAT; USOCR,PPRS; EPO,IPO; DERWENT; JBM,TDB	GR	CN	2009/1230 18.22
S281	312	F'6504678') URPN		USPAT	GR	CN	2009/1230 19.18
S282	6	F'6313627') URPN		USPAT	GR	CN	2009/1230 19.42
S283	4	F'4401944"/ "5561308"/ "5688837"/ "5945825") PN		US-POPUB; USPAT, USOCR	GR	CN	2009/1230 19.43
S284	26	S279 and (adj spin65)dependent65)name65 spin adj dependent of name65)		US-POPUB; USPAT, USOCR; USOCR,PPRS; EPO,IPO; DERWENT; JBM,TDB	GR	CN	2009/1230 19.51
S285	28041	S24/207 21,252 ceds. 338932R.ceds. 3609313,314,315,316,317,318,318,1,319,320,321,322,323,324,324,1,324,11,324,12,324,2,325,326,327,327,1,327,11,327,2,327,21,327,22,327,23,327,24,327,3,327,31,327,32,327,33 ceds. 4383,10,14,17,46 ceds. 28/502,512,1,595,602,1,608,01 ceds.		US-POPUB; USPAT; USOCR,PPRS; EPO,IPO; DERWENT; JBM,TDB	GR	CN	2009/1231 15.47
S297	6319	S288 and (spin65 valve spin adj valve sct spin65)dependent65)name65 spin adj dependent of name65 tur name65 near3 magnet65)resid64 name65 near3 magnetic near3 resid64 magnetic adj junction magnet65)name65)near3 (joined fixed head base65) near3 (byer film axis) and (eep soft free) near3 (byer film axis))		US-POPUB; USPAT; USOCR,PPRS; EPO,IPO; DERWENT; JBM,TDB	GR	CN	2009/1231 16.05
S298	1381	S297 and (dual phase4 multiple4 "2" two second additional several multi) near3 (bridge wheatsone dual6 bridge dual6 wheatsone multi6 bridge multi6 wheatsone ("S" fire fifth "B" sixth six "T" seven seventh "B" eight eighth next) spin65) valve spin adj valve sct spin65)dependent65)name65 spin adj dependent of name65 tur name65 near3 magnet65)resid64 name65 near3 magnetic near3 resid64 magnetic adj junction magnet65)name65)near3)		US-POPUB; USPAT; USOCR,PPRS; EPO,IPO; DERWENT; JBM,TDB	GR	CN	2009/1231 16.08
S302	28041	S24/207 21,252 ceds. 338932R.ceds. 3609313,314,315,316,317,318,318,1,319,320,321,322,323,324,324,1,324,11,324,12,324,2,325,326,327,327,1,327,11,327,2,327,21,327,22,327,23,327,24,327,3,327,31,327,32,327,33 ceds. 4383,10,14,17,46 ceds. 28/502,512,1,595,602,1,608,01 ceds.		US-POPUB; USPAT; USOCR,PPRS; EPO,IPO; DERWENT; JBM,TDB	GR	CN	2009/0102 19.18
S303	6319	S302 and ((spin65 valve spin adj valve sct spin65)dependent65)name65 spin adj dependent of name65 tur name65 near3 magnet65)resid64 name65 near3 magnetic near3 resid64 magnetic adj junction magnet65)name65)near3 (joined fixed head base65) near3 (byer film axis) and (eep soft free) near3 (byer film axis))		US-POPUB; USPAT; USOCR,PPRS; EPO,IPO; DERWENT; JBM,TDB	GR	CN	2009/0102 19.18
S304	0	S303 and ((spin65 empy65) near3 (ridge wheatsone) near3 (spin65 valve spin adj valve sct spin65)dependent65)name65 spin adj dependent of name65 tur name65 near3 magnet65)resid64 name65 near3 magnetic near3 resid64 magnetic adj junction magnet65)name65)near3)		US-POPUB; USPAT; USOCR,PPRS; EPO,IPO; DERWENT; JBM,TDB	GR	CN	2009/0102 19.18

#### EAST Search History (Interference)

<This search history is empty>

1/16/2010 8:38:41 PM

C:\Documents and Settings\schindler\My Documents\EASTWorkspaces\10821913RCE\_A.wsp